



Sun Blade™ 6000 Modular System Product Notes

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Contents

Preface vii

1. Fixed and Open Issues 1

2. Hardware Notes and Issues 5

Hardware Notes 5

Light Load Efficiency Mode (LLEM) 5

Redundant Mode 6

Non-Redundant Mode 6

Force Power Supply Fans to Low Speed (6845513) 7

Upgraded Midplane Available 7

Identifying the PCIe 2.0 Midplane 8

▼ View Component Information Using the CLI 8

▼ View Component Information Using the Web Interface With ILOM 2.x 8

▼ View Component Information Using the Web Interface With ILOM 3.x 9

Available Modules 9

Mounting Systems in Square-Hole Racks 10

Shipping Bracket for Sun Rack 1000 Racks 10

Empty Slot Requires Filler 10

Hardware Open Issues 11

Power Consumption Is Invalid in ILOM if PSU Side Is Under 25A (6438921)
11

NEM LEDs (6713414) 12

3. ILOM Notes and Issues 13

ILOM Notes 13

Updating ILOM Firmware 13

ILOM 3.0.3.32 and Later Documentation 14

ILOM Open Issues 14

Issues Specific to ILOM 3.0.3.32 14

Reset Server Modules Running ILOM 2.0.3.10 After Updating the CMM to
ILOM 3.0.3.32 (6812532) 15

Issues Specific to ILOM 2.0.3.2 15

The stop /CH Command in ILOM 2.0.3.2 is Different Than in ILOM
2.0.3.1 (6679679) 15

Issues Specific to ILOM 2.0.3.1 16

FRU ID Data Correction for ILOM 2.0.3.1 (6631275) 16

General ILOM Issues 18

ILOM Service Processor (SP) Lockup (6471005) 18

/CH/BLn/SP/cli/User Command Accepts Invalid Values (6497752) 18

startcli Does Not Authenticate LDAP and Radius Users (6526825) 18

CMM Does Not Change or Detect Blade's SP (6531753, 6529037) 19

Moving the CMM to a Different Chassis Can Cause Incorrect Product Data
(6821052) 19

Fixed ILOM Issues 20

Issues Fixed in ILOM 3.0.3.32 20

CMM OK LED Turns Off During Boot (6474460) 20

ILOM CMM SP Does Not Display Current Status Information (6516108)
20

/CH/LOCATE Does Not Turn Off When Set to ON Using the ILOM CLI or ipmitool (6695802)	21
Locate LED Does not Turn on During Chassis Lamp Test (6713569, 6711416)	21
SP Reports Incorrect FM, NEM, and Server Module Removal and Insertion Events (6744044)	21
SP Login Through Web Interface Fails After a New IP Address Is Assigned (6745118)	21
Cannot Set Netmask When Running ILOM 2.0.3.10 (6766379)	22
Stop, Start and Reset Commands are Disabled for the Virtualized NEM in the Sun Blade 6000 CMM (6813859 and 6812683)	22
Issues Fixed in ILOM 2.0.3.10	23
Power LED Does Not Display Until SP Boots (6464862)	23
Issues Fixed in ILOM 2.0.3.3	23
SNMP Trap Destination Port Should Be Configurable (6654887)	23
The stop /CH Command Lights the Chassis Alert LED (6678328)	23
LED Test Mode Causes An SEL Message (6713569)	24
Issues Fixed in ILOM 2.0.3.2	24
ILOM Reports Different Status Value When PSU is Removed (6530748)	24
DC Output Power Supply Issue Fixed in ILOM 2.0.3.2 (6664200)	24
Issues Fixed in ILOM 2.0.3.1	25
Fan Thresholds Not Read by the CMM and Blades (6513836)	25
Removing a Fan Logs Assert and Deassert Events in CMM SEL (6514930)	25
CMM NET MGT 1 Port Disabled (6521145)	25
Chassis Reports as Powered on When Powered Off (6531040)	26
SP Allows One CLI Session (6540550)	26
Issues Fixed in ILOM 1.1.6	27
Two Connected CMM Gigabit Ethernet Ports Causes Slow Network (6498417)	27

PSU I₁_12V Sensor Reads 2.5 Amps Instead of 0 When Power Cord is
Unplugged (6516034) 27

BMC Stops Responding and the CPLD Version Displays as 0 . 0
(6517737) 27

4. Documentation Issues 29

Incorrect Directory for DHCP IP address in Getting Started Guide (6589651)
29

Incorrect Document Reference in Integrated Lights Out Manager (ILOM)
Administration Guide (6595111) 29

URL Clarification for Integrated Lights Out Manager (ILOM) Administration
Guide (6596617) 30

Incorrect Note in Integrated Lights Out Manager (ILOM) Administration
Guide (6628649) 31

Service Processor Information Missing From Installation Guide (6692159) 31

References to Integrated Lights Out Manager (ILOM) Documentation 32

Power Supply Module Rating Incorrect in Some Documentation 32

Supported Racks List Is Incorrect in Installation Guide 32

Preface

This document describes hardware issues, software issues, and documentation issues for the Sun Blade™ 6000 modular system.

Issues include information that you should know about, such as prerequisites, tips, troubleshooting hints, and change requests. Change requests have tracking numbers shown in parentheses.

Product Updates

For product updates that you can download for the Sun Blade 6000 modular system, go to the following URL and navigate to the page for this product:

<http://www.sun.com/servers/blades/downloads.jsp>

Note – The Sun Blade 6000 modular system chassis management module (CMM) and server module service processors must all be upgraded to the latest firmware release. Make sure to update the server modules first, then the Sun Blade 6000 CMM to the latest firmware, using ILOM CLI, GUI, or IPMI interfaces.

Related Documentation

The document set for the Sun Blade 6000 modular system is described in the Where To Find Sun Blade 6000 Modular System Documentation sheet that is packed with your system.

Additionally, you can find the Sun Blade 6000 modular system documentation at

<http://docs.sun.com/app/docs/prod/blade.6000mod>

Translated versions of some of these documents are available at

<http://docs.sun.com>

Select a language from the drop-down list and navigate to the Sun Blade 6000 document collection using the workstation category link. Available translations for the Sun Blade 6000 modular system include Simplified Chinese, Traditional Chinese, French, Japanese, and Korean.

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Sun Blade 6000 Modular System Product Notes, part number, 820-0055-20.

Fixed and Open Issues

This chapter contains a table of the fixed and open issues for the Sun Blade 6000 modular system. Each issue contains a link to a further description of the issue.

An issue with an Open status means that there is not an available fix for the bug yet. If a workaround is available, it is explained in the bug description.

The ILOM issues are grouped according to whether they are opened or fixed in a specific ILOM version (chassis software version is also shown in parenthesis).

TABLE 1 Sun Blade 6000 Modular System Issues

Issue	Status	Workaround Available?
Hardware Open Issues		
“Power Consumption Is Invalid in ILOM if PSU Side Is Under 25A (6438921)” on page 11	Open	Yes
“NEM LEDs (6713414)” on page 12	Open	No
ILOM Open Issues		
“Reset Server Modules Running ILOM 2.0.3.10 After Updating the CMM to ILOM 3.0.3.32 (6812532)” on page 15	Open	Yes
“The stop /CH Command in ILOM 2.0.3.2 is Different Than in ILOM 2.0.3.1 (6679679)” on page 15	Open	No
“FRU ID Data Correction for ILOM 2.0.3.1 (6631275)” on page 16	Open	Yes
“ILOM Service Processor (SP) Lockup (6471005)” on page 18	Open	No
“/CH/BLn/SP/cli/User Command Accepts Invalid Values (6497752)” on page 18	Open	Yes
“Startcli Does Not Authenticate LDAP and Radius Users (6526825)” on page 18	Open	Yes
“CMM Does Not Change or Detect Blade’s SP (6531753, 6529037)” on page 19	Open	Yes
“Moving the CMM to a Different Chassis Can Cause Incorrect Product Data (6821052)” on page 19	Open	Yes

TABLE 1 Sun Blade 6000 Modular System Issues

Issue	Status	Workaround Available?
Fixed in ILOM 3.0.3.32 (Sun Blade 6000 Chassis SW 3.0)		
“CMM OK LED Turns Off During Boot (6474460)” on page 20	Fixed	No
“ILOM CMM SP Does Not Display Current Status Information (6516108)” on page 20	Fixed	No
“/CH/LOCATE Does Not Turn Off When Set to ON Using the ILOM CLI or ipmitool (6695802)” on page 21	Fixed	No
“Locate LED Does not Turn on During Chassis Lamp Test (6713569, 6711416)” on page 21	Fixed	No
“SP Reports Incorrect FM, NEM, and Server Module Removal and Insertion Events (6744044)” on page 21	Fixed	No
“SP Login Through Web Interface Fails After a New IP Address Is Assigned (6745118)” on page 21	Fixed	Yes
“Cannot Set Netmask When Running ILOM 2.0.3.10 (6766379)” on page 22	Fixed	Yes
“Stop, Start and Reset Commands are Disabled for the Virtualized NEM in the Sun Blade 6000 CMM (6813859 and 6812683)” on page 22	Fixed	No
Fixed in ILOM 2.0.3.10 (Sun Blade 6000 Chassis SW 2.1)		
“Power LED Does Not Display Until SP Boots (6464862)” on page 23	Fixed	Yes
Fixed in ILOM 2.0.3.3 (Sun Blade 6000 Chassis SW 2.0)		
“SNMP Trap Destination Port Should Be Configurable (6654887)” on page 23	Fixed	No
“The stop /CH Command Lights the Chassis Alert LED (6678328)” on page 23	Fixed	No
“LED Test Mode Causes An SEL Message (6713569)” on page 24	Fixed	No
Fixed in ILOM 2.0.3.2 (Sun Blade 6000 Chassis SW 1.2)		
“ILOM Reports Different Status Value When PSU is Removed (6530748)” on page 24	Fixed	Yes
“DC Output Power Supply Issue Fixed in ILOM 2.0.3.2 (6664200)” on page 24	Fixed	No
Fixed in ILOM 2.0.3.1 (Sun Blade 6000 Chassis SW 1.1a)		
“Fan Thresholds Not Read by the CMM and Blades (6513836)” on page 25	Fixed	No
“Removing a Fan Logs Assert and Deassert Events in CMM SEL (6514930)” on page 25	Fixed	No
“CMM NET MGT 1 Port Disabled (6521145)” on page 25	Fixed	No
“Chassis Reports as Powered on When Powered Off (6531040)” on page 26	Fixed	Yes
“SP Allows One CLI Session (6540550)” on page 26	Fixed	Yes
Fixed in ILOM 1.1.6 (Sun Blade 6000 Chassis SW 1.0)		
“Two Connected CMM Gigabit Ethernet Ports Causes Slow Network (6498417)” on page 27	Fixed	No

TABLE 1 Sun Blade 6000 Modular System Issues

Issue	Status	Workaround Available?
"PSU 1_12V Sensor Reads 2.5 Amps Instead of 0 When Power Cord is Unplugged (6516034)" on page 27	Fixed	Yes
"BMC Stops Responding and the CPLD Version Displays as 0.0 (6517737)" on page 27	Fixed	Yes
Documentation Open Issues		
"Incorrect Directory for DHCP IP address in Getting Started Guide (6589651)" on page 29	Open	No
"Incorrect Document Reference in Integrated Lights Out Manager (ILOM) Administration Guide (6595111)" on page 29	Open	No
"URL Clarification for Integrated Lights Out Manager (ILOM) Administration Guide (6596617)" on page 30	Open	No
"Incorrect Note in Integrated Lights Out Manager (ILOM) Administration Guide (6628649)" on page 31	Open	No
"Service Processor Information Missing From Installation Guide (6692159)" on page 31	Open	No
"References to Integrated Lights Out Manager (ILOM) Documentation" on page 32	Open	No
"Power Supply Module Rating Incorrect in Some Documentation" on page 32	Open	No
"Supported Racks List Is Incorrect in Installation Guide" on page 32	Open	No

Hardware Notes and Issues

This chapter describes hardware issues and notes related to the Sun Blade 6000 modular system. It includes the following issues:

- [“Hardware Notes” on page 5](#)
 - [“Hardware Open Issues” on page 11](#)
-

Hardware Notes

This section describes items to note regarding hardware for the Sun Blade 6000 modular system.

- [“Light Load Efficiency Mode \(LLEM\)” on page 5](#)
- [“Force Power Supply Fans to Low Speed \(6845513\)” on page 7](#)
- [“Upgraded Midplane Available” on page 7](#)
- [“Identifying the PCIe 2.0 Midplane” on page 8](#)
- [“Available Modules” on page 9](#)
- [“Mounting Systems in Square-Hole Racks” on page 10](#)
- [“Shipping Bracket for Sun Rack 1000 Racks” on page 10](#)
- [“Empty Slot Requires Filler” on page 10](#)

Light Load Efficiency Mode (LLEM)

The Light Load Efficiency Mode (LLEM) is a new feature of CMM ILOM 3.0.6.11. To enable or disable LLEM, use the command:

```
set /CMM/policy/LIGHT_LOAD_EFFICIENCY_MODE=[enabled|disabled]
```

When LLEM is disabled, you can turn the PSU sides on or off with the command:

```
set /CMM/policy/MONITOR_PSx_SIDEy=[enabled|disabled]
```

Note – It's advisable to disable any PSU side first before unplugging the power cord.

While enabled, LLEM runs in both redundant and non-redundant mode. Under the LLEM, CMM monitors the power being used and automatically shuts down the PSU sides to achieve higher efficiency.

You can check the sensor value of /CH/PSx/Sy/I_V12 or /CH/PSx/Sy/V_OUT_OK, where the value of I_V12 being 0 or V_OUT_OK deasserted indicates the corresponding side is disabled. CMM always disables PSU sides in descending order. When the power load level increases, CMM re-enables those disabled sides to cover the demand. If a new blade is inserted into the chassis, they can be powered on even if their power budget exceeds the power available from the sides currently turned on.

Redundant Mode

The redundant mode is set by the command:

```
set /CMM/powermgmt/redundancy=n+n
```

All MONITOR_PSx_SIDEy are set to enabled, and any attempt to disable any PSU side's monitoring is not allowed. For example, the command

```
set/CMM/policy/MONITOR_PSx_SIDEy=disabled
```

will result in an error.

Non-Redundant Mode

The non-redundant mode is set by the command:

```
set /CMM/powermgmt/redundancy=none
```

You can disable any PSU sides monitoring, for example a side that doesn't have a power cord.

In both redundant and non-redundant modes, LLEM works on those sides that are under monitoring.

When an unexpected AC fault happens, LLEM will be suspended and all sides will become enabled, verified by the sensor value of `I_V12` and `V_OUT_OK`. If the fault is cleared, LLEM will automatically go back into effect.

When the LLEM is disabled, all PSU sides, including those previously disabled, become enabled. This can be verified by the sensor value of `I_V12` and `V_OUT_OK`.

For detailed information on ILOM 3.0.6, see the *ILOM Feature Updates and Release Notes*.

Force Power Supply Fans to Low Speed (6845513)

A new feature allows the adjustment of power supply fans to low speed. On the ILOM Web interface, click on CMM, then the "Configuration" tab, and the "Policy" sub-tab. Choose the option "Force Power Supply fans to low speed".

As the power supply fans cool the power supplies, the power supply fans also cool the PEMs slots.

Note – Only force PSU fans to low speed if half the PEM slots or fewer are in use.

If you enable both this policy and "Force Power Supply fans to highspeed", high speed dominates.

Upgraded Midplane Available

A midplane upgrade kit is now available for the Sun Blade 6000 modular system. The upgraded midplane supports PCIe 2.0-compliant server modules.

The midplane upgrade kit includes a PCIe 2.0 midplane that can be installed in the current chassis. The manufacturing part number for the upgraded midplane is 541-3789. For instructions on installing the midplane, see the *Sun Blade 6048 Modular System Service Manual* at:

<http://docs.sun.com/app/docs/prod/blade.6000mod>

You can still install modules including blade modules, NEMs, and PCIe EMs that are PCIe 1.x-compliant into the PCIe 2.0 midplane. These modules will work the same as they did with the PCIe 1.x midplane, but they will not have the full PCIe 2.0 functionality. Refer to the module documentation to determine which modules are PCIe 2.0-compliant.

Identifying the PCIe 2.0 Midplane

To determine which midplane you have installed in the chassis, check the FRU ID information through the ILOM CLI or Web interface. Use the procedure appropriate for the ILOM interface that you are using.

See the *Sun Integrated Lights Out Manager User's Guide* for more information on viewing component information.

▼ View Component Information Using the CLI

1. Log in to the ILOM CLI as an Administrator or Operator.

2. At the command prompt, type:

```
-> show /CH
```

The manufacturing part number will be displayed in the `fru_part_number` field.

- If the part number is 541-3789-0x, the upgraded PCIe 2.0 midplane is installed.
- If the part number is 541-1983-0x, the previous version of the PCIe midplane is installed.

▼ View Component Information Using the Web Interface With ILOM 2.x

1. Log in to the ILOM web interface as an Administrator or Operator.

2. Select System Information --> Components.

The Component Management page appears.

3. Click on /CH in the Component Management Status table.

A dialog box appears with information about the chassis.

The midplane manufacturing part number will be displayed in the `fru_part_number` field.

- If the part number is 541-3789-0x, the upgraded PCIe 2.0 midplane is installed.
- If the part number is 541-1983-0x, the previous version of the PCIe midplane is installed.

▼ View Component Information Using the Web Interface With ILOM 3.x

1. Log in to the ILOM web interface as an Administrator or Operator.

The first screen displayed is the Chassis View.

2. In the Chassis Inventory table, the information for the chassis is displayed in the /CH row.

The midplane manufacturing part number will be displayed in the Part Number column.

- If the part number is 541-3789-0x, the upgraded PCIe 2.0 midplane is installed.
- If the part number is 541-1983-0x, the previous version of the PCIe midplane is installed.

Available Modules

There are a number of server modules, storage modules, PCIe ExpressModules (PCIe EMs), and Network ExpressModules (NEMs) available for the Sun Blade 6000 modular system.

For information on server or storage modules that are available for the Sun Blade 6000 modular system, refer the links for each server or storage module at:

<http://www.sun.com/servers/blades/6000chassis/>

For information on PCIe EMs and NEMs that are available for the Sun Blade 6000 modular system, see:

<http://www.sun.com/servers/blades/optioncards.jsp>

You can also view documentation for these modules at:

<http://docs.sun.com/>

Mounting Systems in Square-Hole Racks

The current version of the *Sun Blade 6000 Rack Alignment Template*, 263-2755-03, contains instructions for mounting systems in a square-hole rack. The original version of the template (263-2755-01) does not contain these instructions.

If you wish to mount your system in a square-hole rack and the 263-2755-03 version of the rack alignment template document was not included with your rail kit, you can view this document on the Sun Blade 6000 modular system documentation page located at:

<http://docs.sun.com/app/docs/prod/blade.6000mod>

Note – If you have an older rail kit (part number 371-2986-01) the brackets are all the same for front and back, so you can ignore references to front and rear brackets in the 263-2755-023 rack alignment template.

If you have trouble mounting the system with the 371-2986-01 rail kit, please contact your Sun service representative about updating your rack kit.

Shipping Bracket for Sun Rack 1000 Racks

If you plan to ship your Sun Blade 6000 modular system installed in a rack, you will need to install the shipping support brackets that are included in the system rail kit.

Note – After the system has been shipped, you will need to remove the front shipping bracket support and reinstall the original screws into the rack before operating the system.

For instructions on installing the shipping brackets, refer to the *Installing Shipping Brackets on a Sun Blade 6000 Modular System*, 820-2388, posted on the Sun Blade 6000 modular system documentation site at:

<http://docs.sun.com/app/docs/prod/blade.6000mod>

Empty Slot Requires Filler

Do not operate the system with empty slots. Fillers are required for proper chassis airflow. Always insert a filler into an empty slot to reduce the possibility of module shut down.

Hardware Open Issues

This section describes hardware issues for the Sun Blade 6000 modular system.

- [“Power Consumption Is Invalid in ILOM if PSU Side Is Under 25A \(6438921\)” on page 11](#)
- [“NEM LEDs \(6713414\)” on page 12](#)

Power Consumption Is Invalid in ILOM if PSU Side Is Under 25A (6438921)

This could result in missing information in the ILOM CLI and web interface. The following readings will occur if the power supply current is < 25 Amps:

- If any side of an installed power supply unit (PSU) is drawing < 25 Amps of current, the `ch.dc_watts` and `ch.ac_watts` IPMI sensors will show "disabled" when viewed with `ipmitool`.
- The IPMI sensors `psx.dc_watts`, `psx.ac_watts` and `psx.peff` will also show "disabled"; where *x* is the PSU that has a side drawing < 25 Amps.
- If any of the above conditions are true, such that chassis watts cannot be calculated, actual power cannot be calculated.

You will get the following output when you type the **show** command in CLI:

```
show /CMM/powermgmt  
actual_power = (none)
```

Workaround

You can determine the amount of current a PSU side is drawing by reading the `psx.I12V_z` sensor; where *x*=0..1 (PSU) and *z*=0..1 (PSU side).

If using the CLI, you can determine the amount of current a PSU is drawing by typing:

```
show /CH/PSx/Sy/I_12V
```

Where *x*= 0..1 (PSU) and *y* = 0..1 (PSU side).

NEM LEDs (6713414)

The following tables show LED behavior for 10/100/1000 MB Ethernet LEDs for Sun Blade 6000 network express modules (NEMs). The LED color can be different, depending on the server module that is using the Ethernet port.

The LED speeds shown in the table are defined below:

- Standby blink—The system is functioning at a minimal level and is ready to resume full function. Defined as a repeating sequence consisting of 0.1 second ON followed by 2.9 seconds OFF.
- Blink—Transitory or new activity represented by the colored indicator is taking place. Defined as 1Hz @50% duty cycle.

Server Module	10/100 MB (RJ45 Connector)		1 GbE (RJ45 Connector)	
	Left Activity LED	Right Link LED	Left Activity LED	Right Link LED
X6220	green blink	amber standby	green blink	green standby
X6240	green blink	amber standby	green blink	green standby
X6250	green blink	amber standby	green blink	green standby
X6270	green blink	amber standby	green blink	green standby
X6450	green blink	amber standby	green blink	green standby
T6300	green blink	green standby	green blink	amber standby
T6320	green blink	green standby	green blink	amber standby
T6340	green blink	amber standby	green blink	green standby

Note – See the chassis and NEM documentation for specifics on the Ethernet connections available for each NEM.

ILOM Notes and Issues

This chapter describes the Sun Integrated Lights Out Manager (ILOM) Service Processor updates and issues. It includes the following sections:

- “ILOM Notes” on page 13
- “ILOM Open Issues” on page 14
- “Fixed ILOM Issues” on page 20

ILOM Notes

Updating ILOM Firmware

Sun recommends using the latest released firmware for all Sun Blade 6000 modular system components. The current release, and most recent previous release, are tested and available on the Sun download center at:

<http://www.sun.com/servers/blades/downloads.jsp>

Sun tests each new hardware component and firmware update for existing modules against other chassis components that are using the latest available firmware and the prior revision. Sun recommends that all components use the latest available firmware or the prior version.

In order to use the full functionality of ILOM 3.0, the server modules must also be updated to ILOM 3.0. However, ILOM 3.0 is not required for the server modules to operate in a ILOM 3.0 CMM chassis. Refer to your server module documentation for available ILOM versions. This document also contains information on known issues with ILOM version compatibility.

Note – The latest ILOM version for the Sun Blade 6000 modular system CMM is ILOM 3.0.3.32. Refer to the *Sun Integrated Lights Out Manager 3.0 Supplement for the Sun Blade 6000 Modular System* for specific information on ILOM 3.0.3.32.

For instructions on updating the firmware, refer to the ILOM documentation for the ILOM version that is currently running on your system.

ILOM 3.0.3.32 and Later Documentation

ILOM version 3.0.3.32 and later provides significant changes in ILOM functionality.

The *Sun Integrated Lights Out Manager 3.0 Supplement for Sun Blade 6000 Modular System* has specific ILOM 3.0 information for the Sun Blade 6000 modular system.

An overview of the Sun Blade 6000 modular system and server module firmware update guidelines is available in the *Sun Blade 6000 Modular System Overview*.

ILOM Open Issues

The following issues apply to the Sun Blade 6000 modular system ILOM:

- [“Issues Specific to ILOM 3.0.3.32” on page 14](#)
- [“Issues Specific to ILOM 2.0.3.2” on page 15](#)
- [“Issues Specific to ILOM 2.0.3.1” on page 16](#)
- [“General ILOM Issues” on page 18](#)

Issues Specific to ILOM 3.0.3.32

The issues in this section are specific to the ILOM 3.0.2.32 on the Sun Blade 6000 modular system.

Reset Server Modules Running ILOM 2.0.3.10 After Updating the CMM to ILOM 3.0.3.32 (6812532)

When updating the CMM ILOM firmware from 2.0.3.10 to 3.0.3.32, the share sensor ID is changed, so a server module running ILOM 2.x cannot read the share sensor correctly.

Workaround

When the CMM is updated to ILOM 3.0, reset all server module SPs that are running ILOM 2.x.

Issues Specific to ILOM 2.0.3.2

The issues in this section are specific to the ILOM 2.0.3.2 on the Sun Blade 6000 modular system.

The `stop /CH` Command in ILOM 2.0.3.2 is Different Than in ILOM 2.0.3.1 (6679679)

The following commands have new functionality for ILOM 2.0.3.2:

- **`stop /CH`**

This command now defaults to graceful shutdown, instead of a forced shutdown, of the system. The CMM will attempt to contact all the server modules and shut them down gracefully. If it cannot shut the server modules down, it reports back an error.

- **`stop /CH -force`**

This command causes a forced shutdown, which is the same as the ILOM 2.0.3.1 version of **`stop /CH`**.

Issues Specific to ILOM 2.0.3.1

The issues in this section are specific to the ILOM 2.0.3.1 on the Sun Blade 6000 modular system.

FRU ID Data Correction for ILOM 2.0.3.1 (6631275)

Software 1.1 for the Sun Blade 6000 modular system contains a build of ILOM 2.0.3.1 with a serious bug. Upgrading to this ILOM version causes some FRU data to be lost. Because of this, Software 1.1 has been withdrawn and replaced by Software 1.1a.

If you *have not* yet upgraded to the ILOM provided with Software 1.1, this issue does not affect you. Simply discard any copies of Software 1.1 and obtain Software 1.1a which contains ILOM firmware with the fix.

If you *have* upgraded to the ILOM provided with Software 1.1, you must install the ILOM firmware provided with Software 1.1a. Doing so will both remove the bug and recover some of the FRU data that was previously not viewable. The remaining FRU data must be re-entered manually.



Caution – If you have installed the ILOM firmware included in Software 1.1 *do not downgrade to an older version of the ILOM firmware*. Doing so will prevent any of the lost data from being recovered. The only recovery mechanism is to install the ILOM build provided with Software 1.1a.

Identifying your ILOM Firmware

You can identify your ILOM firmware using the ILOM CLI or web interface:

- From the CLI, enter the `version` command.
- From the web interface, bring up the System Information/Versions tab.

In the information you obtain, find the “Firmware Version” (just “Firmware” in the CLI) and “Firmware Build Number”. Depending on the values you obtain, you should take one of the following actions:

- If the “Firmware Version” is 2.0.3.1 and the “Firmware Build Number” is 23240, then you have installed the ILOM firmware included in Software 1.1. You must install the replacement ILOM firmware in Software 1.1a and re-enter some lost data, as described in [“Lost FRU Data and How To Fix It” on page 17](#)
- If the “Firmware Version” is 2.0.3.1 and the “Firmware Build Number” is 26140, then you have already installed the ILOM firmware included in Software 1.1a. No further action is required.

- If you downgraded from Firmware Version 2.0.3.1 to Firmware Version 1.1.x with any build number, you will must install the replacement ILOM firmware in Software 1.1a. You must then re-enter the FRU ID data that was lost as described in [“Lost FRU Data and How To Fix It” on page 17](#).

Lost FRU Data and How To Fix It

The ILOM bug causes the following FRU data to be lost:

- Product Part Number
- Product Serial Number
- Chassis Serial Number

You can recover the Product Part Number and Product Serial Number by installing the ILOM firmware provided with Software 1.1a. If you downgraded the ILOM after observing the problem, Product Part Number and Product Serial Number must be re-entered manually.

The Chassis Serial Number will not be recovered with the Software 1.1a update and must be re-entered in any case.

Follow these steps to re-enter the lost FRU data:

1. Use SSH to log in to the “sunservice” ILOM account. From the Solaris or Linux command line:

```
ssh -l sunservice ipaddress
```

where *ipaddress* is the Service Processor IP address.

2. Enter one of the following commands.

- If you only need to re-enter the chassis serial number, enter:

```
servicetool --fru_chassis_serial_number
```

- If you need to re-enter all three corrupted FRU values, enter:

```
servicetool --fru_product_part_number  
--fru_product_serial_number --fru_chassis_serial_number
```

3. Enter the FRU ID numbers when prompted.

General ILOM Issues

The following issues are not specific to one ILOM version.

ILOM Service Processor (SP) Lockup (6471005)

The ILOM service processor may in rare circumstances stop responding on serial management port. You can avoid this issue by choosing one of the following workarounds to reset and restart the service processor:

- Use the `ipmitool BMC reset cold` subcommand
- Use the ILOM CLI `reset /SP` command.
- Use the ILOM web interface maintenance tab.

`/CH/BLn/SP/cli/` User Command Accepts Invalid Values (6497752)

The `/CH/BLx/SP/cli/` user command accepts invalid values. This issue will be fixed in a future release.

Workaround

Insert a valid user name in user property field.

`Startcli` Does Not Authenticate LDAP and Radius Users (6526825)

When an LDAP or radius user tries to authenticate, authentication is not allowed:

Workaround

To authenticate LDAP, radius user, and connect as the desired user, use the root login then set the CLI `user` property to allow remote connection.

CMM Does Not Change or Detect Blade's SP (6531753, 6529037)

The CMM might not allow you to change or detect the blade IP address. To change the IP address, connect to the blade service processor, then use the blade's service processor ILOM interfaces to update and display the IP address.

There are several methods available to access the blade ILOM, use one of the following workarounds:

Workaround

- From the blade server, use the IPMI KCS interface.
- From a network host, use the IPMI protocol and management network.
- From the ILOM CLI, use `ssh` and the management network.
- From the CMM ILOM CLI, use the following `start` command:

```
start /CH/BLn/SP/cli
```

Moving the CMM to a Different Chassis Can Cause Incorrect Product Data (6821052)

If the CMM is replaced or moved to a different chassis, the first time ILOM boots an incorrect host name or product serial number might be displayed.

Workaround

After ILOM boots, reset the CMM with one of the following:

- CLI: Execute the **`reset /CH/CMM`** command.
- Web interface:
 - a. **Log in to the ILOM web interface as an Administrator or Operator.**
 - b. **Navigate to the CMM Maintenance tab.**
 - If you are running ILOM 3.x, first click CMM in the left column to display the Maintenance tab.
 - If you are running ILOM 2.x, the Maintenance tab is viewable on the main page.
 - c. **Click the Reset Components sub-tab and select /CH/CMM.**

The CMM will reboot with the correct product information.

Fixed ILOM Issues

The issues fixed in specific ILOM releases are listed in this section. The issues are listed under the ILOM version that provides a fix for the issue. Some of the issues were found in a particular ILOM update.

- [“Issues Fixed in ILOM 3.0.3.32” on page 20](#)
- [“Issues Fixed in ILOM 2.0.3.10” on page 23](#)
- [“Issues Fixed in ILOM 2.0.3.3” on page 23](#)
- [“Issues Fixed in ILOM 2.0.3.2” on page 24](#)
- [“Issues Fixed in ILOM 2.0.3.1” on page 25](#)
- [“Issues Fixed in ILOM 1.1.6” on page 27](#)

Issues Fixed in ILOM 3.0.3.32

CMM OK LED Turns Off During Boot (6474460)

This issue was found in ILOM 2.0.3.10 and fixed in ILOM 3.0.3.32.

The CMM OK LED which is located on the CMM front panel lights up for approximately one minute before turning off whenever CMM is inserted into chassis or chassis AC is completely power cycled.

ILOM CMM SP Does Not Display Current Status Information (6516108)

This issue was fixed in ILOM 3.0.3.32.

The ILOM CMM service processor does not report current detailed power supply or fan status information. When a PSU fan is removed, the CLI and IPMITool does not report this change. To determine fan or power supply status information, you should check the following objects:

- `/CH/PSx/V*`
- `/CH/PSx/V_12V_MAIN`
- `/CH/PSx/FAN_FAIL`

/CH/LOCATE Does Not Turn Off When Set to ON Using the ILOM CLI or ipmitool (6695802)

This issue was fixed in ILOM 3.0.3.32.

/CH/LOCATE does not turn off when set to ON/Fast_Blink using ipmitool or CLI.

However, when the chassis Locate LED button is pressed, it times out and goes off after 30 minutes as expected.

Locate LED Does not Turn on During Chassis Lamp Test (6713569, 6711416)

This issue was fixed in ILOM 3.0.3.32.

When running ILOM 2.0.3.3, if you press the locate button more than 5 seconds to initiate the lamp LED test, the LED does not turn on and a “transition to degraded” message appears in the SEL log.

SP Reports Incorrect FM, NEM, and Server Module Removal and Insertion Events (6744044)

This issue was found in ILOM 2.0.3.10 and fixed in ILOM 3.0.3.32.

The SP reports fan module (FM), network express module (NEM), and server module blade (BL) removal and insertion event logs repeatedly, though no insertion or removal has taken place.

SP Login Through Web Interface Fails After a New IP Address Is Assigned (6745118)

This issue was fixed in ILOM 3.0.3.32.

If you change the CMM IP address in the SP web interface, you can not log into the web interface using the new IP address. You can only log into the CLI interface.

Workaround

If you change the CMM IP address in the web interface, you must log into the CLI interface to reconfigure the IP address, then log into the web interface with the new IP address.

To change the IP address in the ILOM CLI:

1. Log in to the ILOM CLI.
2. Type the following commands to set the SP working directory:
cd /CMM/network
3. Type the show command to view the IP address assigned.
4. Type the following commands to change the existing settings.
set pendingipaddress=ipaddress

Where *ipaddress* is the new IP address.

For more information on configuring the IP address in the web interface, refer to the *Sun Integrated Lights Out Manager User's Guide* for the version of ILOM that you are running.

Cannot Set Netmask When Running ILOM 2.0.3.10 (6766379)

This issue was found in ILOM 2.0.3.10 and fixed in ILOM 3.0.3.32.

If you are running ILOM version 2.0.3.10, you will not be able to set the CMM netmask through the CMM ILOM.

Workaround

To set the netmask, you can manually edit the `/conf/interfaces` file via the sunservice account or by using the Linux **ifconfig** command.

ifconfig eth0 netmask AA.BB.CC.DD

where *AA.BB.CC.DD* is the desired subnet mask (for example 255.255.0.0).

Stop, Start and Reset Commands are Disabled for the Virtualized NEM in the Sun Blade 6000 CMM (6813859 and 6812683)

This issue was fixed in ILOM 3.0.3.32.

The **stop /CH/NEMx**, **start /CH/NEMx** and **reset /CH/NEMx** commands for the Sun Blade 6000 Virtualized Multi-Fabric 10 GbE NEM (Virtualized NEM) have been disabled in the CMM.



Caution – Do not attempt to reset the Virtualized NEM SP, as it can cause a reset of the entire NEM, which disrupts host operation for all blades using the NEM.

Issues Fixed in ILOM 2.0.3.10

Power LED Does Not Display Until SP Boots (6464862)

This issue was fixed in ILOM 2.0.3.10.

The front panel power LED does not power on immediately.

Workaround

ILOM service processor bootup sequence takes approximately one minute. You should wait for this boot process to complete, then reexamine the LEDs.

Issues Fixed in ILOM 2.0.3.3

SNMP Trap Destination Port Should Be Configurable (6654887)

This issue was fixed in ILOM 2.0.3.3.

It should be possible to specify, per alert rule, what the destination port of the trap should be. Currently it is hard coded.

The `stop /CH` Command Lights the Chassis Alert LED (6678328)

This issue was fixed in ILOM 2.0.3.3.

When using the **stop /CH** command, the chassis Power/OK LED goes into standby state, and the chassis alert LED is also lights. This will only happen if the **stop /CH** command is successful. If the graceful shutdown does not occur, the alert LED will not light.

LED Test Mode Causes An SEL Message (6713569)

When running a test on a Sun Blade 6000 Disk Module or Sun Blade 6000 Multi-Fabric Network Express Module, a message similar to the following is displayed in the SEL:

```
8e00 | 06/11/2008 | 14:19:49 | Module/Board nem1.state | Transition  
to Degraded
```

```
8f00 | 06/11/2008 | 14:20:01 | Module/Board nem1.state | Transition  
to Running
```

These messages can be safely ignored.

Issues Fixed in ILOM 2.0.3.2

ILOM Reports Different Status Value When PSU is Removed (6530748)

This issue was fixed in ILOM 2.0.3.2.

When a power supply unit (PSU) is removed from the chassis, the PSU status might report different values in the `/CH/PSN ILOM CM CLI` objects.

Workaround

If a power supply is removed, and you receive a report of different PSU status values, you can safely ignore information displayed in the `/CH/PSN ILOM CM CLI` objects.

DC Output Power Supply Issue Fixed in ILOM 2.0.3.2 (6664200)

This issue was found in ILOM 1.1.6 and fixed in ILOM 2.0.3.2.

CMM ILOM service processor provides monitoring and management of chassis power supplies. In certain circumstances, the power supply kill signal is being asserted, which causes DC output of the power supply to stop.

Update your firmware to ILOM version 2.0.3.2 in software release 1.2 to fix this issue.

Issues Fixed in ILOM 2.0.3.1

Fan Thresholds Not Read by the CMM and Blades (6513836)

This issue was fixed in ILOM 2.0.3.1.

The ILOM service processor does not report threshold information that is not used or controlled by the service processor. Therefore, fan and power supply threshold values cannot be read by the CMM and blades.

Removing a Fan Logs Assert and Deassert Events in CMM SEL (6514930)

This issue was fixed in ILOM 2.0.3.1.

When a fan is removed or installed, an assert and deassert event is logged for each event in the IPMI SEL log. The example below shows the assert and dessert event messages displayed when the fan is removed or installed:

After fan is removed:

```
100 | 01/18/2007 | 23:53:17 | Fan fm0.fail | Predictive Failure  
Deasserted  
200 | 01/18/2007 | 23:53:17 | Fan fm0.fail | Predictive Failure  
Asserted
```

After fan is installed:

```
100 | 01/18/2007 | 23:53:17 | Fan fm0.fail | Predictive Failure  
Deasserted  
200 | 01/18/2007 | 23:53:17 | Fan fm0.fail | Predictive Failure  
Asserted  
300 | 01/18/2007 | 23:54:12 | Fan fm0.fail | Predictive Failure  
Deasserted
```

These messages can be safely ignored.

CMM NET MGT 1 Port Disabled (6521145)

This issue was fixed in ILOM 2.0.3.1.

NET MGT 1 Port which is the Ethernet port of the CMM will be disabled by default. NET MGT 1 Port will be delivered disabled because of the inability to guarantee the setup of your network, if your network is not configured properly using this port can cause network degradation.

Future software upgrades will allow for either port to be connected, and possibly both ports to be enabled if the certain features of the network can be guaranteed.

Chassis Reports as Powered on When Powered Off (6531040)

This issue was fixed in ILOM 2.0.3.1.

The chassis reports as powered on when it is powered off.

Workaround

Reset the CMM, then retry the operation again.

SP Allows One CLI Session (6540550)

This issue was fixed in ILOM 2.0.3.1.

The ILOM CMM service processor only allows a single remote ILOM CLI session to be started via the `/CH/BLN/SP/cli` object at a time. If an existing CLI session is active and a second CLI session is initiated, an error message might display.

Workaround

To avoid this issue, you should use `ssh` from a remote system to initiate additional sessions to a remote ILOM, or use the following command to terminate the current session.

```
stop /CH/BLN/SP/cli
```

Issues Fixed in ILOM 1.1.6

Two Connected CMM Gigabit Ethernet Ports Causes Slow Network (6498417)

This issue was fixed in ILOM 1.1.6.

The network might be slow when both CMM gigabit Ethernet ports are connected to the same network switch.

PSU I_{12V} Sensor Reads 2.5 Amps Instead of 0 When Power Cord is Unplugged (6516034)

This issue was fixed in ILOM 1.1.6.

When the power chords to PS0 is removed, the CMM I_{12V} sensor on S1 side reads 2.5 Amps. On the S0 side it correctly reads 0 Amps.

Workaround

You can safely ignore these readings.

BMC Stops Responding and the CPLD Version Displays as 0 . 0 (6517737)

This issue was fixed in ILOM 1.6.6.

The BMC might intermittently stop responding, and the CPLD version displays 0 . 0. If this issue should arise, you should perform the following steps:

Workaround

- Reset the service processor.
- Retry the ILOM flash upgrade.
- Power on the server.

Documentation Issues

This chapter describes issues related to the Sun Blade 6000 modular system documentation.

Incorrect Directory for DHCP IP address in Getting Started Guide (6589651)

In the *Sun Blade 6000 Modular System Getting Started Guide*, 820--0427-10, page 5, the directory shown for accessing the DHCP IP address is incorrect.

Step 5 in the “Using DHCP to Initially Assign All IP Addresses” section and Step 3 in the “Assigning a Static IP Address to a CMM Through a Serial Connection” section incorrectly state that the network directory for the CMM is **/CH/network**.

The correct directory path is **/CMM/network**.

Incorrect Document Reference in Integrated Lights Out Manager (ILOM) Administration Guide (6595111)

In the *Integrated Lights Out Manager (ILOM) Administration Guide for the Sun Blade 6000 Modular System*, 820-0052-10, the document incorrectly states that information on resetting the ILOM password with a jumper is available in the *Sun Blade 6000 Modular System Installation Guide*. This information is not available in the Installation Guide.

The instructions for resetting the ILOM password are below.

Note – See the *Sun Blade 6000 Modular System Service Manual* for instructions in removing and installing the chassis management module (CMM) from the chassis.

1. Remove the CMM from the chassis.
2. Install a jumper on pin J1101.
3. Reinstall the CMM into the chassis and allow the CMM to boot up completely.
This will change the password back to the default password: changeme
4. Remove the CMM from the chassis again.
5. Remove jumper that you installed in [Step 2](#).
6. Reinstall the CMM into the chassis.
7. Use the password `changeme` when logging back into the CMM ILOM.

URL Clarification for Integrated Lights Out Manager (ILOM) Administration Guide (6596617)

In the *Integrated Lights Out Manager (ILOM) Administration Guide for the Sun Blade 6000 Modular System*, 820-0052-10, there are several references to the following command:

load -source *URL*

The URL used in this command must be in `tftp` format. For example:

`tftp://zbank/ah27901/CMM-P0-rom.pkg`

The `http` format will not work for this command.

Incorrect Note in Integrated Lights Out Manager (ILOM) Administration Guide (6628649)

Page 5-6 of the *Integrated Lights Out Manager (ILOM) Administration Guide For the Sun Blade 6000 Modular System*, 820-0052-10, has the following note:

Note – The upgrade takes about five minutes. During this time, no other tasks can be performed in the CMM.

ILOM. A successful firmware causes the CMM ILOM to reboot.

A firmware upgrade causes the server and the CMM ILOM to be reset. It is recommended that a clean shutdown of the server be done prior to the upgrade procedure.

An upgrade takes about 6 minutes to complete. The CMM ILOM enters a special mode to load new firmware. No other tasks can be performed in the CMM ILOM until the firmware upgrade is complete and the CMM ILOM is reset.

The last two statements are incorrect. The server will not be reset during a CMM firmware upgrade.

Service Processor Information Missing From Installation Guide (6692159)

It is possible to set the service processors for the server modules with different subnet IP addresses than the IP address of the chassis CMM.

This information is not included in the Installation Guide, but will be added to the next update of the document.

References to Integrated Lights Out Manager (ILOM) Documentation

You will need to reference specific documentation for the ILOM, depending on what ILOM version you are using.

- If you are using ILOM version 1.x refer to the *Integrated Lights Out Manager (ILOM) Administration Guide for the Sun Blade 6000 Modular System*.
- If you are using ILOM version 2.0, refer to the *Integrated Lights Out Manager 2.0 User's Guide*.
- If you are using ILOM version 3.0, refer to the Sun Integrated Lights Out Manager (ILOM) 3.0 Documentation Collection.

Both documents are posted on the product documentation site:

<http://docs.sun.com/app/docs/prod/blade.6000mod>

Power Supply Module Rating Incorrect in Some Documentation

Some of the Sun Blade 6000 modular system documentation states that the power supply modules are rated at 6000W. The correct wattage is 5600W.

Supported Racks List Is Incorrect in Installation Guide

The list of racks that support Sun Blade 6000 modular system is incorrect in the *Sun Blade 6000 Modular System Installation Guide*, 820-0050-10, page 5 of the PDF version.

The Sun StorEdge 72-inch expansion cabinet is not supported for Sun Blade 6000 modular system installation.

This will be corrected in a future version of the document.